



Broadband Data Collection

FCC Presentation to the Alaska Governor's Task Force on Broadband

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Broadband Data Collection: FCC's Historical Approach

- ▶ **The FCC today collects broadband deployment data using FCC Form 477**
 - ▶ Fixed broadband service providers report broadband deployment based on U.S. Census Block geographic areas
 - ▶ The U.S. is divided into +11,000,000 census blocks varying in size between urban and rural areas.
 - ▶ If a fixed provider makes service available to a location within a census block, then the entire census block is shown as "served" by the provider.
 - ▶ Mobile broadband service providers report broadband deployment by technology and based on minimum advertised speed or, if a particular speed is not advertised, then speeds consumers should reasonably expect to receive at a given location.
 - ▶ A lack of standardized reporting parameters prevents apples-to-apples comparisons of data among mobile service providers.
- ▶ **Congress directed the FCC to correct these concerns in the Broadband Deployment Accuracy and Technological Availability (DATA) Act, enacted in March 2020.**

Broadband Data Collection: Key Dates

- ▶ **March 2020: Broadband DATA Act**
 - ▶ Specified collection of broadband data and challenge/verification processes
- ▶ **July 2020: Second Report and Order/FNPRM**
 - ▶ Reporting
 - ▶ Broadband Serviceable Locations Fabric
 - ▶ Processes for verifying data
- ▶ **December 2020: Consolidated Appropriations Act**
 - ▶ Funding for implementation and administration of data collection
- ▶ **January 2021: Third Report and Order**
 - ▶ Further refinements and challenge processes
 - ▶ Delegated additional technical challenge/verification methodologies to Bureaus/Offices
- ▶ **February 2021: Broadband Data Task Force Established**
 - ▶ Expedite and coordinate implementation effort spanning multiple FCC Bureaus and Offices

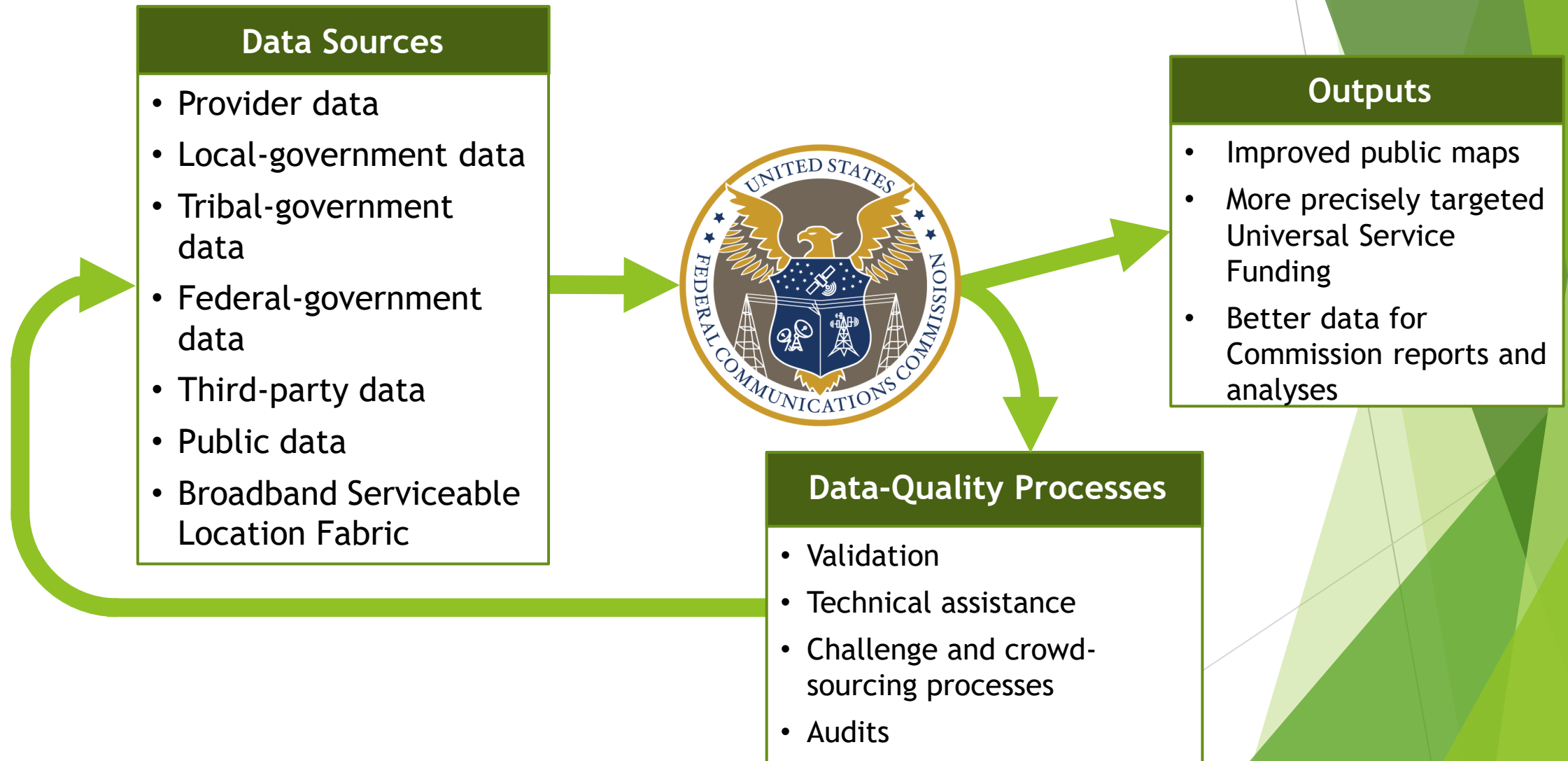
A Comparison of the Existing Form 477 Collection and BDC

	Form 477	BDC
Fixed Broadband Deployment	By Census Block	By Location, With Parameters
Mobile Broadband Deployment / Coverage	Min Advertised, or Expected, Speed	Standardized Parameters
Data from Government Entities	No	Yes
Crowdsourced Data	No	Yes
Challenge Process	No	Yes
Filer Support / Technical Assistance	Limited, In-House	Contract
Verification Process	Limited	Robust, Standardized
Audits	No	Yes

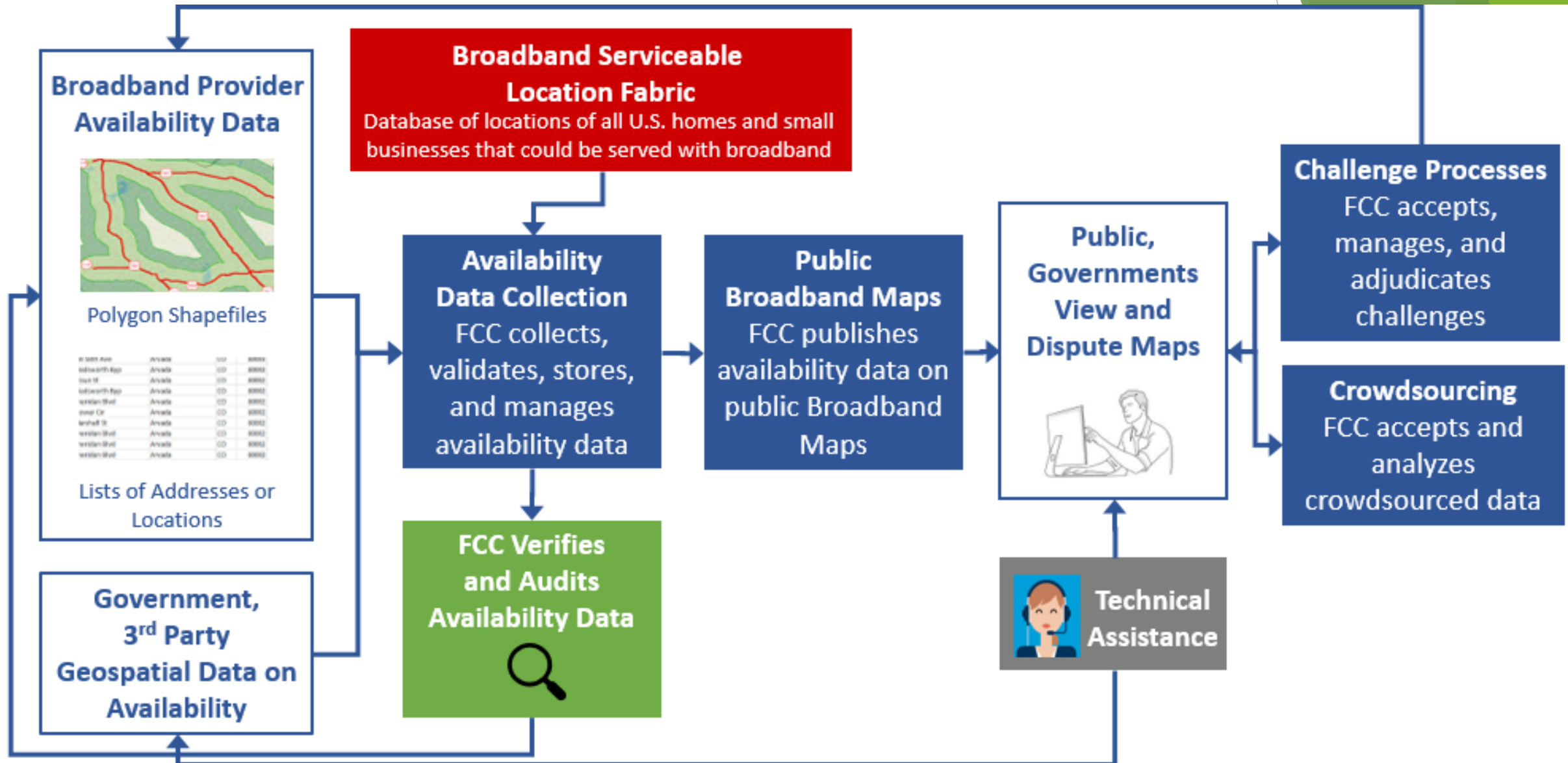
Broadband Data Collection: What We Will Achieve

- ▶ Fixed-broadband availability data down to the individual location
- ▶ Mobile-broadband availability data standardized across providers
- ▶ Challenge process to identify and dispute provider data
- ▶ Incorporation of data from state, local, and Tribal governments
- ▶ Crowdsourcing information to support verification efforts
- ▶ Audits and enforcement

Broadband Data Collection: What We Need to Accomplish



Broadband Data Collection Overview



Broadband Data Collection: Implementation Milestones

► Spring 2021

- Data Architect & Design Services Contract
- RFI for Fabric
- Consumer Experience Portal

► Summer 2021

- RFP for Fabric Development
- Contract for IT System Development
- Public Notice (and Webinar) on Mobile Challenge, Verification, and Crowdsourcing Methodology
- Contract for FCC Speed Test App Updates
- 4G LTE Mobile Map of Four Largest Providers' Coverage Based on BDC Parameters to Preview BDC Maps

Broadband Data Collection: Next Steps

- ▶ Fabric contract
- ▶ Other contracts (e.g., technical assistance, user acceptance and IV&V testing)
- ▶ Public Notice to announce start of data collection, followed by initial data collection and map publication
- ▶ Outreach to Tribes and small filers
- ▶ Open Submission Window
- ▶ Publish Maps/Data
- ▶ Challenge and Verification Process

Questions?

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